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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,362	09/18/2006	Stefan Verseck	009848-0356699	1298
27500 7590 09/01/2009 PILLSBURY WINTHROP SHAW PITTMAN LLP ATTENTION: DOCKETING DEPARTMENT			EXAMINER	
			JOIKE, MICHELE K	
P.O BOX 10500 McLean, VA 22102			ART UNIT	PAPER NUMBER
			1636	
			MAIL DATE	DELIVERY MODE
			09/01/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/593,362	VERSECK ET AL.				
Office Action Summary	Examiner	Art Unit				
	MICHELE K. JOIKE	1636				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on <u>24 Ju</u>	ne 2009.					
· <u> </u>	<u> </u>					
'=	/ 					
, 	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.						
4a) Of the above claim(s) 9 and 11 is/are withdo	4a) Of the above claim(s) <u>9 and 11</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8</u> is/are rejected.						
7) Claim(s) <u>10</u> is/are objected to.						
·—	election requirement					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>18 September 2006</u> is/a	re: a)⊠ accepted or b)⊡ objec	ted to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da					
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 9/18/06. 5) Notice of Informal Patent Application 6) Other:						
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DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group I in the reply filed on June 24, 2009 is acknowledged. The traversal is on the ground(s) that claim 1 as amended shares a technical relationship with Groups II and III because they all involve a multi-plasmid expression system. This is not found persuasive because claim 1 is not novel, and the Nojiri et al reference used to break unity in the March 31, 2009 restriction requirement still applies. Therefore, the multi-plasmid system cannot be a special technical feature under PCT Rule 13.2 because the element is shown in the prior art, as discussed below.

The requirement is still deemed proper and is therefore made FINAL.

Claims 1-11 are pending, claims 9 and 11 have been withdrawn by Applicant, and claims 1-8 and 10 are examined.

Claim Objections

Claims 8 and 10 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim should refer to other claims in the alternative only and cannot depend from any other multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims have not been further treated on the merits. In claims 8 and 10, being dependent on "one or more" claims is not truly in the alternate since the claim could depend from, for example, two claims simultaneously, according to the claim language.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 6-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Nojiri et al.

Nojiri et al (IDS reference, especially pp. 696-697, 700, 702, Figure 1 and Table 1) teach expressing two plasmids simultaneously in E. coli. The first plasmid, pRCN104 contains both the alpha and beta subunits of nitrile hydratase derived from rhodococcus. The second plasmid, pHSGβ, contains the beta subunit of nitrile hydratase, but not the alpha subunit. These plasmids satisfy the limitation of two plasmids with a first plasmid containing the alpha subunit and the second plasmid containing the beta subunit, because the claim language is open, and pRCN104 can contain other nucleic acid sequences. Therefore there is one plasmid with the alpha subunit and one plasmid with the beta subunit. Both plasmids contain the T7 promoter and contain sequences that allow for expression in E. coli, for example, the Shine-Dalgarno sequence.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nojiri et al as applied to claims 1-4 and 6-7 above, and further in view of Nishiyama et al.

Nojiri et al teach all of the limitations as described above. In addition, contained on plasmids pRCN104 and pHSGβ is orf1188, which encodes a polypeptide that is homologous to p47K. However, they do not teach p47K in the plasmids.

Nishiyama et al (J. Bac. 173(8): 2465-2472, 1991, especially p. 2465) teach a plasmid containing the orf encoding p47K transformed into E. coli.

The ordinary skilled artisan, desiring have a plasmid containing p47K, would have been motivated to combine the teachings of Nojiri et al teaching plasmids containing orf1188, which encodes a polypeptide that is homologous to p47K, with the teachings of Nishiyama et al teaching a plasmid containing the orf encoding p47K transformed into E. coli, because Nishiyama et al state that p47K is important for

expression of nitrile hydratase in E. coli. It would have been obvious to one of ordinary skill in the art because Nojiri et al teach that orf1188 is homologous to p47K, and both are important for functional expression of nitrile hydratase. Given the teachings of the prior art and the level of the ordinary skilled artisan at the time of the applicant's invention, it must be considered, absent evidence to the contrary, that said skilled artisan would have had a reasonable expectation of success in practicing the claimed invention.

Allowable Subject Matter

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELE K. JOIKE whose telephone number is (571)272-5915. The examiner can normally be reached on M-F, 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on (571)272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michele K. Joike/ Examiner, Art Unit 1636 Michele K. Joike Examiner Art Unit 1636